

Telex Nil

Teleprinters Nil

C-DOT Technology

6808. SHRI. PRITHVIRAJ D. CHAVAN:
Will the Minister of COMMUNICATIONS be
pleased to state:

(a) whether C-DOT has developed indigenous technology for feature phone, PLCC, BSN and Protocol Phase (STD), and

(b) if so, the details thereof?

THE MINISTER OF STATE OF THE
MINISTRY OF COMMUNICATIONS (SHRI.
RAJESH PILOT): (a) and (b):

- i) Feature Phone - C-DOT has not taken any programme for development of this item.
- ii) PLCC (Power Line Carrier Communication) - C-DOT has extended its technical help to a few of C-DOT's PABX Licensees for extending the use of PABX for PLCC application.
- iii) BSN (Business Subscriber Network - C-DOT is developing a Business Communication Network (BCN) based on the international standard for ISDN (In-

tegrated Services Digital Network). A three node network based on this technology is to be experimented in Bangalore by end of 1991 and a total of 96 ISI subscribers to be connected to it. The ISDN subscribers will be able to use ISDN facilities among themselves. BCN will also allow them to use existing telephone, telex and data network.

- iv) Protocol Phase (STD) - C-DOT is not developing any technology in the area of protocol phase.

Modernisation of Telephone Exchanges in Calcutta

6809. SHRI. SANAT KUMAR MANDAL:
Will the Minister of COMMUNICATIONS be
pleased to state:

(a) whether the Government have any plan for modernisation of some exchanges in Calcutta during this year; and

(b) if so, the details thereof and the work schedule?

THE MINISTER OF STATE OF THE
MINISTRY OF COMMUNICATIONS (SHRI.
RAJESH PILOT): (a). Yes Sir.

(b) Given in the attached Statement.

STATEMENT

Details of Modernisation of Existing Exchanges in Calcutta during the year 1991-92.

<i>Sl. No.</i>	<i>Name</i>	<i>Existing type</i>	<i>To be converted</i>	<i>Target</i>
1.	Central	Strowger	Electronic E-10B	Last quarter of 1991-92
2.	Russa	-do-	-do-	-do-

<i>Sl. No.</i>	<i>Name</i>	<i>Existing type</i>	<i>To be converted</i>	<i>Target</i>
3.	Tribeni	Strowger	Electronic E-10B	Last quarter of 1991-92
4.	Howrah	-do-	-do-	-do-
5.	Salkia	-do-	-do-	-do-
6.	Andul	-do-	-do-	-do-
7.	Bagh Bazar	-do-	-do-	-do-
8.	Baruipur	-do-	-do-	-do-
9.	Panihati	Crossbar	-do-	-do-
10.	Circus	-do-	-do-	-do-
11.	Russa	-do-	-do-	-do-

Detection of Mines Through Satellite

6810. SHRI ANAND RATNA MAURYA:

Will the Minister of MINES be pleased to state:

(a) the achievements made in detection of mines through satellite during last three years;

(b) whether any major break through has been achieved in this field;

(c) the names of satellites being used in detecting mines; and

(d) the future plan in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF MINES (SHRI. BALRAM SINGH YADAV): (a) and (b): The satellite data have provided information on broad rock groups, landforms, structural features such as folds, fractures/faults etc. which

help in delineating target areas for Mineral exploration.

Department of Space and the Geological Survey of India undertook a joint project called Vasundhara with the main purpose of assessing the utility of remote sensing in mineral exploration. The studies resulted in the delineation of regional level potential target areas for mineral search by combining data from satellites, airborne geophysical, geo-chemical and ground geophysical and geological data. The target areas identified included lead-zinc mineralised zone in Vontimitta area in Cuddapah basin and promising zones of gemstone in Andhra Pradesh and Karnataka.

The Satellite studies by Department of Space with the concerned user agencies have also resulted in the delineation of favourable zones of lead-zinc mineralization for further exploration in Udaipur district, Rajasthan. Identification of target areas for exploration of copper in Balaghat District,